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CULES TWO
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RAW SEQUENCE LISTING DATE: 01/04/2001
PATENT APPLICATION: US/09/673,739 TIME: 08:46:45

Input Set : A:\ES.txt
Output Set: N:\CRF3\01042001\I673739.raw

DATE: 01/04/2001
TIME: 08:46:45

3 <110> APPLICANT: McCARTHY, Thomas Valentine
4 VAUGHAN, Patrick Martin
6 <120> TITLE OF INVENTION: A METHOD FOR THE CHARACTERISATION OF NUCLEIC ACID MOLECULES INVOLVING
7 GENERATION OF EXTENDABLE UPSTREAM DNA FRAGMENTS RESULTING FROM THE CLEAVAGE OF
8 NUCLEIC ACID AT AN ABASIC SITE
10 <130> FILE REFERENCE: 1377-0156P
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/673,739
13 <141> CURRENT FILING DATE: 2000-10-20
15 <160> NUMBER OF SEQ ID NOS: 32
17 <170> SOFTWARE: PatentIn version 3.0
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 93
21 <212> TYPE: DNA
22 <213> ORGANISM: Homo sapiens
24 <400> SEQUENCE: 1
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27 atccaagtacg yggaggtcact gtgtttcggt cag 93
30 <210> SEQ ID NO: 2
31 <211> LENGTH: 93
32 <212> TYPE: DNA
33 <213> ORGANISM: Artificial
35 <220> FEATURE:
36 <223> OTHER INFORMATION: DNA generated by PCR amplification and derived from Homo sapiens.
38 <400> SEQUENCE: 2
39 tccaaaggaga agctggatgt ggcccccaag cgggaaugugg agggcauaggg ccccccugag 60
41 aucaaguacg yggagacacu gugcuucugug cag 93
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 93
46 <212> TYPE: DNA
47 <213> ORGANISM: Artificial
49 <220> FEATURE:
50 <223> OTHER INFORMATION: DNA generated by PCR amplification and derived from Homo sapiens.
52 <400> SEQUENCE: 3
53 ctgcacqaaq cacagtgact ccccguaacuu gaucucaggg gggcccaugc ccuccacac 60
55 ccgcuucgggg qccacacaucc gcuucuccuu gga 93
58 <210> SEQ ID NO: 4
59 <211> LENGTH: 25
60 <212> TYPE: DNA
61 <213> ORGANISM: Artificial
63 <220> FEATURE:
64 <223> OTHER INFORMATION: DNA derived from Homo sapiens and generated by glycosylase mediated
65 cleavage and has a 3' phosphate group
67 <400> SEQUENCE: 4
68 ctgcacgaag cacagtgact ccccg 25
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 25
73 <212> TYPE: DNA

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74 <213> ORGANISM: Artificial
76 <220> FEATURE:
77 <223> OTHER INFORMATION: DNA derived from Homo sapiens and generated by glycosylase mediated cleavage and has a 3' hydroxyl group
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80 <400> SEQUENCE: 5
81 ctgcacgaag cacagtgact ccccg 25
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 93
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial
89 <220> FEATURE:
90 <223> OTHER INFORMATION: DNA derived from Homo sapiens and generated by glycosylase mediated cleavage followed by extension of upstream fragment
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93 <400> SEQUENCE: 6
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96 ccgttgggg gccacatcca gtttcctt gga 93
99 <210> SEQ ID NO: 7
100 <211> LENGTH: 273
101 <212> TYPE: DNA
102 <213> ORGANISM: Homo sapiens
104 <400> SEQUENCE: 7
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107 atcaagtacg gggactact gtgcctcggt cagatgtgg ctcaggact gtggctcacc 120
109 tatggcgttc cagaccctaa ggcctcggt ctcggcgtgc tcaagaagaa ggcctgtgg 180
111 caccaggagg gccacatggc cgcgcactg tcgatgtaccc gctggcagca ggaggagttc 240
113 caggccggcc gcatgtatcca cagcaccaat ggc 273
116 <210> SEQ ID NO: 8
117 <211> LENGTH: 273
118 <212> TYPE: DNA
119 <213> ORGANISM: Homo sapiens
121 <400> SEQUENCE: 8
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124 atcaagtacg gggactact gtgcctcggt cagatgtgg ctcaggact gtggctcacc 120
126 tatggcgttc cagaccctaa ggcctcggt ctcggcgtgc tcaagaagaa ggcctgtgg 180
128 caccaggagg gccacatggc cgcgcactg tcgatgtaccc gctggcagca ggaggagttc 240
130 caggccggcc gcatgtatcca cagcaccaat ggc 273
133 <210> SEQ ID NO: 9
134 <211> LENGTH: 196
135 <212> TYPE: DNA
136 <213> ORGANISM: Artificial
138 <220> FEATURE:
139 <223> OTHER INFORMATION: DNA derived from Homo sapiens and generated by glycosylase mediated cleavage and upstream fragment extension, and has a 3' hydroxyl atom
141
143 <220> FEATURE:
144 <221> NAME/KEY: modified_base
145 <222> LOCATION: (196)..(196)
146 <223> OTHER INFORMATION: mod_base = Dideoxy T
149 <400> SEQUENCE: 9

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/673,739

DATE: 01/04/2001
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Input Set : A:\ES.txt
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150 gcccattgggtg ctgtggatca tgcggggcgcc ctgggactcc tccctgtggc agcgggtcag 60
 152 cgacagtgcg tcgtccatgt ggcccttcctg gtgcagcatg gccttcttct tgagcacccc 120
 154 qaqqccqcaagg qccttgggt ctggagcgcc atagggtgagc cacagtctg agggccacatg 180
 156 ctgcacgaag cacagt 196
 159 <210> SEQ ID NO: 10
 160 <211> LENGTH: 200
 161 <212> TYPE: DNA
 162 <213> ORGANISM: Artificial
 164 <220> FEATURE:
 165 <223> OTHER INFORMATION: DNA derived from Homo sapiens and generated by glycosylase mediated cleavage followed by upstream fragment extension, and has a 3' hydrogen atom
 167 <220> FEATURE:
 170 <221> NAME/KEY: modified_base
 171 <222> LOCATION: (200)..(200)
 172 <223> OTHER INFORMATION: mod_base = dideoxy T
 175 <400> SEQUENCE: 10
 176 gcccattgggtg ctgtggatca tgcggggcgcc ctgggactcc tccctgtggc agcgggtcag 60
 178 cgacagtgcg tcgtccatgt ggcccttcctg gtgcagcatg gccttcttct tgagcacccc 120
 180 qaqqccqcaagg qccttgggt ctggagcgcc atagggtgagc cacagtctg agggccacatg 180
 182 ctgcacgaag cacagt 200
 185 <210> SEQ ID NO: 11
 186 <211> LENGTH: 204
 187 <212> TYPE: DNA
 188 <213> ORGANISM: Artificial
 190 <220> FEATURE:
 191 <223> OTHER INFORMATION: DNA derived from Homo sapiens and generated by glycosylase mediated cleavage followed by upstream fragment extension, and has a 3' hydrogen atom
 193 <220> FEATURE:
 196 <221> NAME/KEY: modified_base
 197 <222> LOCATION: (204)..(204)
 198 <223> OTHER INFORMATION: mod_base = Dideoxy T
 201 <400> SEQUENCE: 11
 202 gcccattgggtg ctgtggatca tgcggggcgcc ctgggactcc tccctgtggc agcgggtcag 60
 204 cgacagtgcg tcgtccatgt ggcccttcctg gtgcagcatg gccttcttct tgagcacccc 120
 206 gagccgcagg gccttgggt ctggagcgcc atagggtgagc cacagtctg agggccacatg 180
 208 ctgcacgaag cacagt 204
 211 <210> SEQ ID NO: 12
 212 <211> LENGTH: 206
 213 <212> TYPE: DNA
 214 <213> ORGANISM: Artificial
 216 <220> FEATURE:
 217 <223> OTHER INFORMATION: DNA derived from Homo sapiens and generated by glycosylase mediated cleavage followed by upstream fragment extension, and has a 3' hydrogen atom
 219 <220> FEATURE:
 222 <221> NAME/KEY: modified_base
 223 <222> LOCATION: (206)..(206)

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224 <223> OTHER INFORMATION: mod_base = Dideoxy T
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228 gccatttgtc tctgtggatca tgcggggggc ctgggactcc tcctgtggc agcgggtcaq 60
230 cgacagtgcg tctgtccatgt ggcctctgt gtgcagcatg gcctttctt tggcacacggc 120
232 gagccgcagg gccttgggt ctggagggc ataggtagc cacagtctg agggcacatg 180
234 ctgcacgaag cacagtact cccct 206
237 <210> SEQ ID NO: 13
238 <211> LENGTH: 209
239 <212> TYPE: DNA
240 <213> ORGANISM: Artificial
242 <220> FEATURE:
243 <223> OTHER INFORMATION: DNA derived from Homo sapiens and generated by glycosylase mediated
244 cleavage followed by upstream fragment extension, and has a 3'
245 hydrogen atom
247 <220> FEATURE:
248 <221> NAME/KEY: modified_base
249 <222> LOCATION: (209)..(209)
250 <223> OTHER INFORMATION: mod_base = Dideoxy T
253 <400> SEQUENCE: 13
254 gccatttgtc tctgtggatca tgcggggggc ctgggactcc tcctgtggc agcgggtcaq 60
256 cgacagtgcg tctgtccatgt ggcctctgt gtgcagcatg gcctttctt tggcacacggc 120
258 gagccgcagg gccttgggt ctggagggc ataggtagc cacagtctg agggcacatg 180
260 ctgcacgaag cacagtact cccctact 209
263 <210> SEQ ID NO: 14
264 <211> LENGTH: 204
265 <212> TYPE: DNA
266 <213> ORGANISM: Artificial
268 <220> FEATURE:
269 <223> OTHER INFORMATION: DNA derived from Homo sapiens and generated by glycosylase mediated
270 cleavage followed by upstream fragment extension, and has a 3'
271 hydrogen atom
273 <220> FEATURE:
274 <221> NAME/KEY: modified_base/
275 <222> LOCATION: (204)..(204)
276 <223> OTHER INFORMATION: mod_base = Dideoxy C
279 <400> SEQUENCE: 14
280 gccatttgtc tctgtggatca tgcggggggc ctgggactcc tcctgtggc agcgggtcaq 60
282 cgacagtgcg tctgtccatgt ggcctctgt gtgcagcatg gcctttctt tggcacacggc 120
284 gagccgcagg gccttgggt ctggagggc ataggtagc cacagtctg agggcacatg 180
286 ctgcacgaag cacagtact cccc 204
289 <210> SEQ ID NO: 15
290 <211> LENGTH: 54
291 <212> TYPE: DNA
292 <213> ORGANISM: Homo sapiens
294 <400> SEQUENCE: 15
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298 <210> SEQ ID NO: 16
299 <211> LENGTH: 54
300 <212> TYPE: DNA

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301 <213> ORGANISM: Homo sapiens
303 <220> FEATURE:
304 <221> NAME/KEY: misc_feature
305 <222> LOCATION: (1)..(54)
306 <223> OTHER INFORMATION: Generated by PCR amplification of genomic DNA
309 <400> SEQUENCE: 16
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313 <210> SEQ ID NO: 17
314 <211> LENGTH: 54
315 <212> TYPE: DNA
316 <213> ORGANISM: Homo sapiens
318 <220> FEATURE:
319 <221> NAME/KEY: misc_feature
320 <222> LOCATION: (1)..(54)
321 <223> OTHER INFORMATION: Generated by PCR amplification of genomic DNA
324 <400> SEQUENCE: 17
325 gctgtatcgt caaggcactc ttgcctacgc caccgcucc aacuaccaca aguu      54
328 <210> SEQ ID NO: 18
329 <211> LENGTH: 54
330 <212> TYPE: DNA
331 <213> ORGANISM: Homo sapiens
333 <220> FEATURE:
334 <221> NAME/KEY: misc_feature
335 <222> LOCATION: (1)..(54)
336 <223> OTHER INFORMATION: Generated by PCR amplification of genomic DNA
339 <400> SEQUENCE: 18
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343 <210> SEQ ID NO: 19
344 <211> LENGTH: 54
345 <212> TYPE: DNA
346 <213> ORGANISM: Homo sapiens
348 <220> FEATURE:
349 <221> NAME/KEY: misc_feature
350 <222> LOCATION: (1)..(54)
351 <223> OTHER INFORMATION: Generated by PCR amplification of genomic DNA
354 <400> SEQUENCE: 19
355 gctgtatcgt caaggcactc ttgcctacgc caucgcucc aacuaccaca aguu      54
358 <210> SEQ ID NO: 20
359 <211> LENGTH: 37
360 <212> TYPE: DNA
361 <213> ORGANISM: Homo sapiens
363 <220> FEATURE:
364 <221> NAME/KEY: misc_feature
365 <222> LOCATION: (1)..(37)
366 <223> OTHER INFORMATION: generated by glycosylase mediated cleavage of PCR amplified DNA
369 <400> SEQUENCE: 20
370 gctgtatcgt caaggcactc ttgcctacgc caccgc      37
373 <210> SEQ ID NO: 21
374 <211> LENGTH: 32

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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/673,739

DATE: 01/04/2001
TIME: 08:46:47

Input Set : A:\ES.txt
Output Set: N:\CRF3\01042001\I673739.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number

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